Shale Gas United States

Despite a shift in oil and gas production worldwide, the advantages of implementing Capstone microturbines have led to new and follow-on projects for oil and gas producers as well as further expansion into the flare gas market. The nation's abundant supply of natural gas and forecasted price stability has created tremendous interest in Capstone microturbines in industries beyond just oil and gas.

During fiscal 2012, when the United States shale gas market was booming, Capstone sold a record number of new and follow-on microturbine orders to prominent producers and developers in the prolific Eagle Ford and Marcellus shale plays. Even with the recent downturn of the oil and gas market, thousands of Capstone microturbines still generate clean-and-green electricity in prime power, standby power, and combined heat and power (CHP) applications for on- and off-grid shale gas production sites.

From remote natural gas compressor stations and central processing facilities, to transfer stations, metering stations and wellhead sites, Capstone microturbines support U.S. shale gas production by supplying clean, reliable power using pipeline quality natural gas as fuel. Uninterrupted microturbine power means increased production and lower utility bills for oil and gas producers, in addition to greater national energy security.

The low emission output, high reliability and low maintenance of Capstone microturbines remain as top drivers for microturbine deployment in oil and gas applications. The U.S. Environmental Protection Agency (EPA), which has extremely stringent emissions requirements for oil and gas producers, strongly supports the installation of low emission natural gas microturbine power plants. The U.S. Department of Energy (DOE) also encourages these installations, especially those that use natural gas to fuel CHP applications, as part of its mission to decentralize power from the utility grid.

The growing number of industrial and commercial customers utilizing Capstone energy systems has created a buzz in the alternative energy production market, leading more and more businesses to explore the benefits of microturbine technology. Capstone microturbines are the proven solution for lowering the energy costs of oil and gas operations by increasing the operational efficiency of the producers. ■

Capstone microturbines, operating in the Eagle Ford and Marcellus shale plays, generate reliable and clean power.

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